

Upcoming U.S. Utility Mercury Reductions

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Utility Mercury Emissions Reductions

- Utility MACT Standard– Proposal in December 2003
- Three different multi-pollutant bills introduced into Congress
- Different schedules, reductions, approaches to trading/banking, levels of certainty

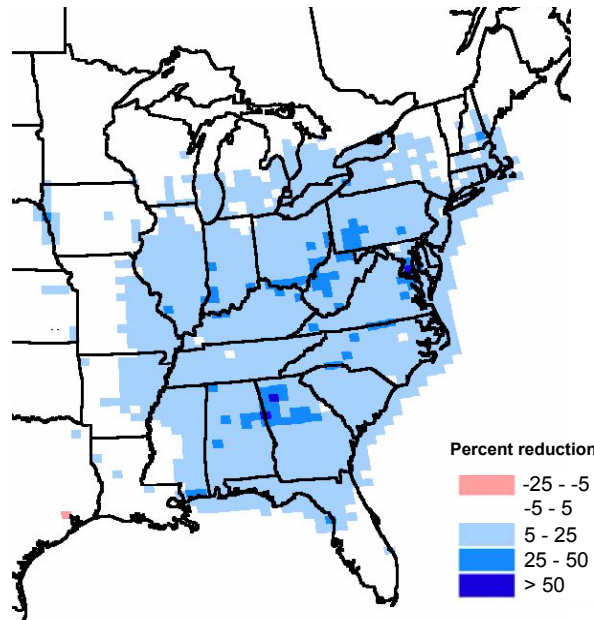
Utility Emission Reduction Scenarios

	Mercury Emissions	Mercury Trading/ Banking	Other Pollutants
Clear Skies Act (Bush)	26 tons in 2010 15 tons in 2018	Unlimited	SO₂, NO_x
Clean Air Planning Act (Carper)	24 tons in 2009 10 tons in 2013	Limited	SO₂, NO_x, CO₂
Clean Power Act (Jeffords)	5 tons in 2008	Within-facility averaging	SO₂, NO_x, CO₂
MACT Standard	Unknown— estimates from <5 – >30 tons in 2008	None, or within facility averaging	None

■ 1999 Emissions = 48 tons

Mercury Deposition (2020)

Percent Change 2020 Base Case vs. Clear Skies

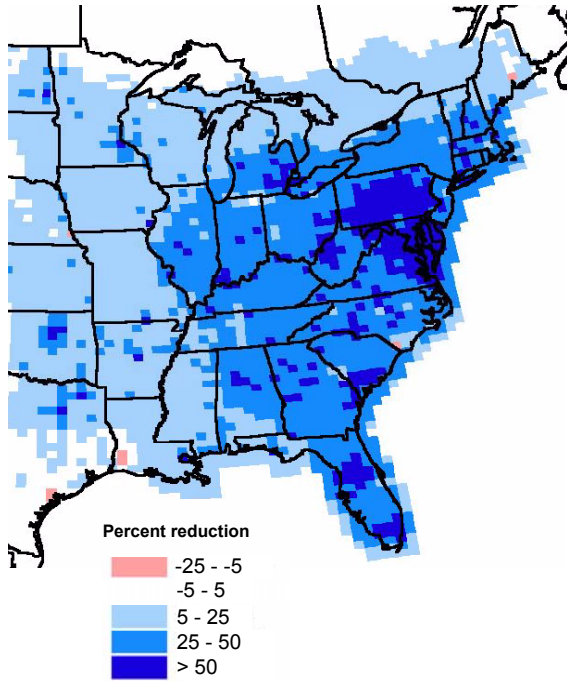


Clear Skies would achieve significant additional reductions of up to 25% across much of the East beyond what is expected under the Base Case.

Notes: The small increase in mercury deposition at one location is attributable to a single facility mistakenly omitted from the Clear Skies mercury cap in the IPM analysis. Were this facility included in the cap, this increase would not have occurred. The western U.S. is not shown in these maps because the emissions reductions expected from the WRAP have not been included in the air quality modeling analysis.

Mercury Deposition (2020)

Percent Change 1996 vs. 2020 with Clear Skies



The map indicates the large reductions in mercury deposition expected from Clear Skies in addition to those expected from recently-implemented programs, including the municipal waste combustor and medical waste incinerator MACT standards.

Notes: The increases in in the lower map are due to increases in emissions from sources that are not affected by the Clear Skies Act.
The western U.S. is not shown in these maps because the emissions reductions expected from the WRAP have not been included in the air quality modeling analysis.